



Building Operator Certification (BOC[®]) Energy and Cost Savings

The energy savings attributable to BOC-trained operators have been carefully documented in independent, third-party evaluations conducted on the BOC program throughout the nation, available for download at: www.boccentral.org/content/energy-savings-evaluation-reports and www.theboc.info/w-energy-savings.html.

A 2012 evaluation of the Illinois BOC program and 2011 evaluation of the Minnesota BOC program, both performed by Navigant Consulting, determined the energy savings attributable to the BOC program and excluding measures rebated by other energy efficiency programs to be:

BOC Program Evaluation	Sample Size (Sites)	Avg Sq Ft of Sites	Sample Savings/ Participant			Sample Savings/ Participant/ Sq Ft		
			kWh	kW	Therms	kWh	Watts	Therms
Illinois (2012)	43	508,100	181,000	37	557	0.374	0.075	0.001
Minnesota (2011)	50	194,500	42,936	11	2,276	0.237	0.061	0.013

Using weighted average commercial sector energy prices for the Midwest and the Illinois BOC program energy savings, the equivalent cost savings for various sized facilities are as follows:

Evaluated Energy Savings/ BOC-Operator/ Sq Ft		Area Maintained by Operator	Total Energy Savings/ BOC-Operator		Weighted Average Commercial Sector Prices (Midwest Region)*		Total Cost Savings/ BOC-Operator
kWh	Therms	Sq Ft	kWh	Therms	\$/kWh	\$/Therm	\$
0.374	0.001	50,000	18,700	50	0.0904	0.8135	\$ 1,731
		100,000	37,400	100			\$ 3,463
		200,000	74,800	200			\$ 6,925
		300,000	112,200	300			\$ 10,388

*Derived from EIA sales and pricing data

BOC is a program of the Midwest Energy Efficiency Alliance. For more information on BOC, please visit www.boccentral.org.